

IN THIS ISSUE

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Cover

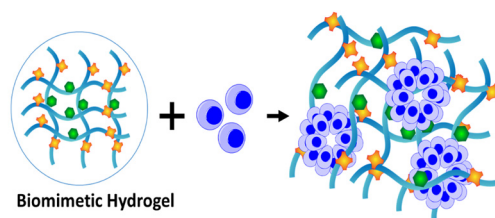
See Noriyuki Uchida and Takahiro Muraoka, pp. 9687-9697. Image reproduced by permission of Takahiro Muraoka from *Chem. Commun.*, 2023, 59, 9687.

HIGHLIGHT

9675

Advances in biomimetic hydrogels for organoid culture

Lili Luo, Libing Liu,* Yuxuan Ding, Yixuan Dong and Min Ma



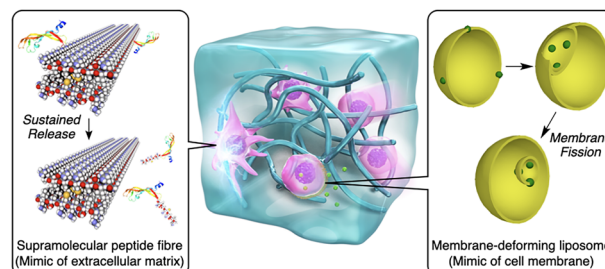
Scaffold of Biomimetic Hydrogel Cells Growth factor ECM-mimetic

FEATURE ARTICLE

9687

Self-assembling materials functionalizing bio-interfaces of phospholipid membranes and extracellular matrices

Noriyuki Uchida and Takahiro Muraoka*



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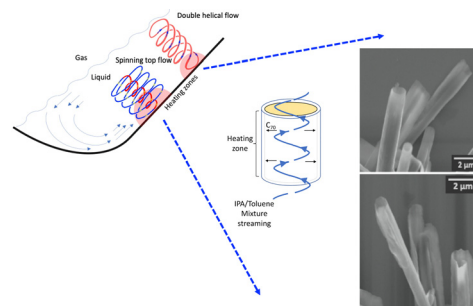
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9698

Vortex fluidic high shear induced crystallisation of fullerene C₇₀ into nanotubes

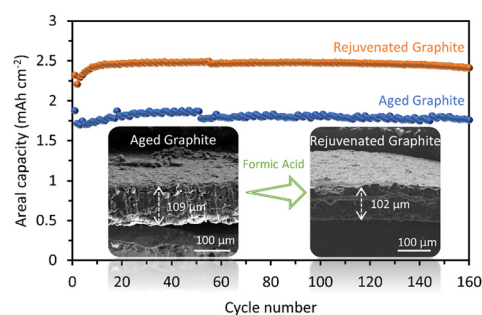
Kasturi Vimalanathan,* Zhi Zhang, Jin Zou and Colin L. Raston



9702

Rejuvenation of aged graphite anodes from spent lithium-ion batteries via a facile surface treatment strategy

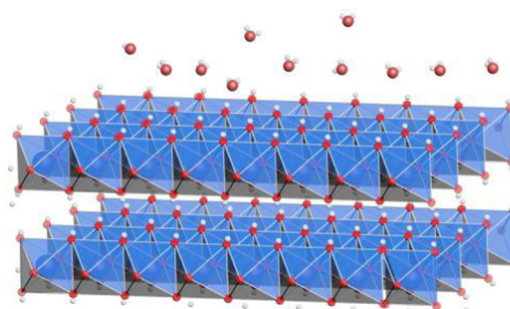
Jintao Zhang, Xuesong Yin, Wanwan Wang, Nguk Neng Tham, Zhenxiang Xing, Song Lin Zhang, Xiaowei Wang and Zhaolin Liu*



9706

Bimetallic Zn/Co telluride spinel with enhanced metal–tellurium covalency for efficient water oxidation

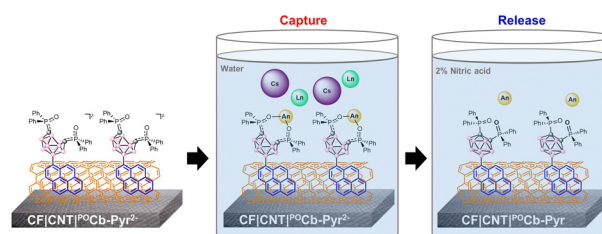
Shuowen Bo, Qizheng An, Yu Zhu, Xiuxiu Zhang, Yuhao Zhang, Hui-Juan Wang, Juguang Han, Hui Su* and Qinghua Liu*



9710

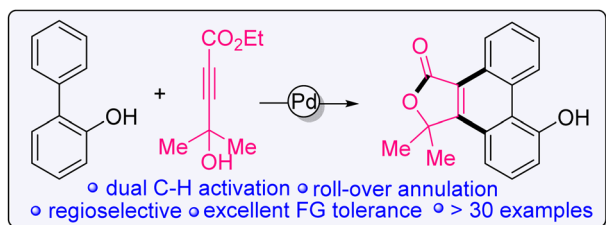
Selective heterogeneous capture and release of actinides using carborane-functionalized electrodes

Maxwell Mattejat and Gabriel Ménard*



COMMUNICATIONS

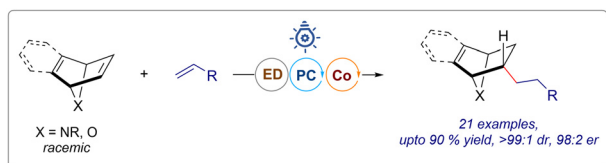
9714



Pd-catalyzed regioselective rollover dual C–H annulation cascade: facile approach to phenanthrene derivatives

Muniganti Naveen Kumar, Vavilapalli Suresh, Attunuri Nagireddy, Jagadeesh Babu Nanubolu and Maddi Sridhar Reddy*

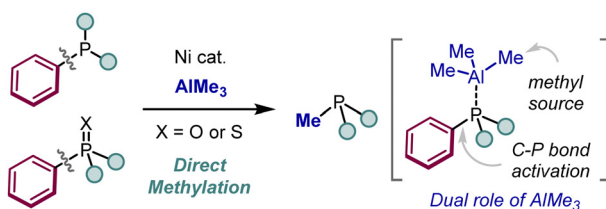
9718



Asymmetric alkene–alkene reductive cross-coupling reaction via visible-light photoredox/cobalt dual catalysis

Mamata Maiti, Sayan K. Jana and Biplab Maji*

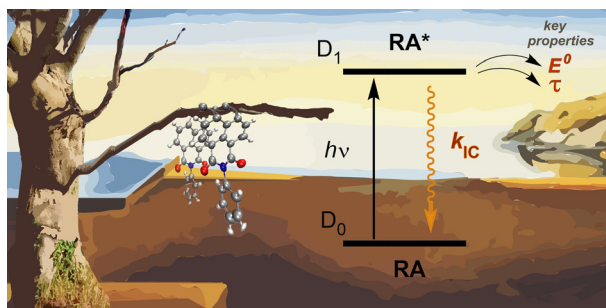
9722



Nickel-catalyzed direct methylation of arylphosphines via carbon–phosphorus bond cleavage using AlMe_3

Takuya Igarashi, Ryoma Shimazumi, Naoto Chatani and Mamoru Tobisu*

9726



Quantitative prediction of excited-state decay rates for radical anion photocatalysts

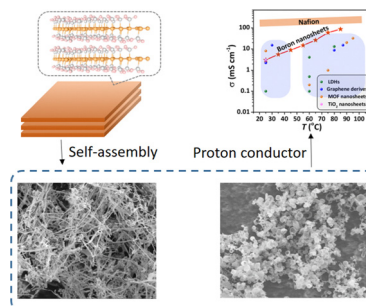
Leandro D. Mena, José L. Borioni, Sofia Caby, Patrick Enders, Miguel A. Argüello Cordero, Franziska Fennel, Robert Francke, Stefan Lochbrunner and Javier I. Bardagi*



9730

Surface-functionalized boron nanosheets and their assembled suprastructures with unprecedented proton-transport properties

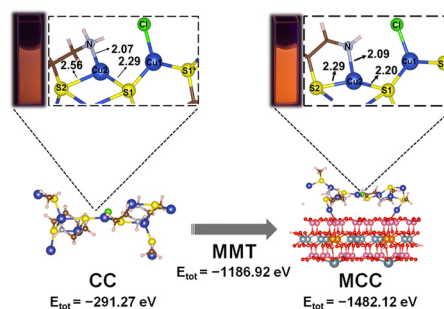
Hongfeng Zhan, Mengwei Dong, Shengchuang Qiu, Xiaoshan Wang, Lingfeng Chao, Zhendong Huang, Yonghua Chen, Hai Li, Xiao Huang* and Shaozhou Li*



9734

Nanoclay-modulated copper cysteamine composites for enhanced fluorescence

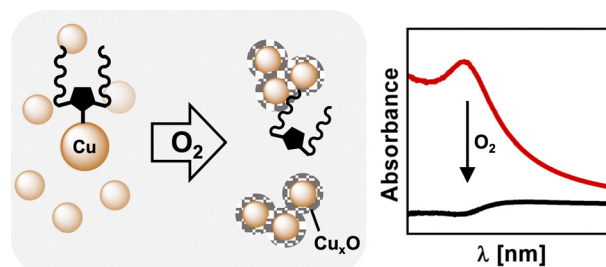
Qianqian Liu, Hao Wang, Xiaozheng Liang, Yili Tang and Huaming Yang*



9738

NHC stabilized copper nanoparticles via reduction of a copper NHC complex

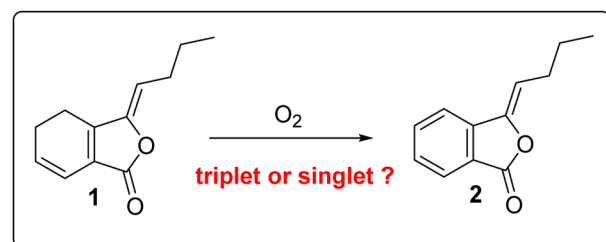
Robert Richstein, Constantin Eisen, Lingcong Ge, Monnaya Chalermnon, Florian Mayer, Bernhard K. Keppler, Jia Min Chin* and Michael R. Reithofer*



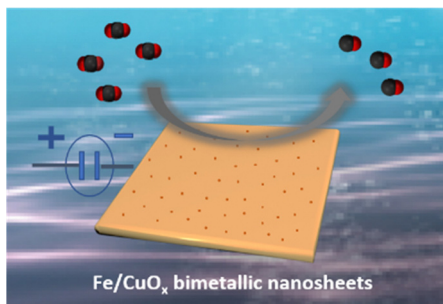
9742

Oxidative aromatization mechanism of ligustilide

Yu-Qing Zhuang, Jian Zou, Sheng-Yuan Zhang, Jia-Ming Wu, Liang Long, Xian-Bo Chen, Guo-Dong Chen, Dan Hu, Yong-Heng Wang* and Hao Gao*



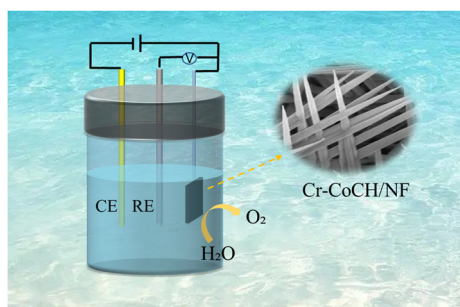
9746



Selectivity control for CO₂ electroreduction to syngas using Fe/CuO_x catalysts with high current density

Hui Liu, Enting Shi, Weiwei Guo,* Zhaoyang Sun, Zijian Fang, Zhijun Zhu,* Lei Jiao, Yanling Zhai* and Xiaoquan Lu*

9750



Chromium doping enabled improvement in alkaline seawater oxidation over cobalt carbonate hydroxide nanowire array

Min Zhang, Xun He, Kai Dong, Hui Zhang, Yongchao Yao, Chaoxin Yang, Meng Yue, Shengjun Sun, Yuntong Sun, Dongdong Zheng, Yongsong Luo, Qian Liu, Na Li, Bo Tang, Jun Liu* and Xuping Sun*

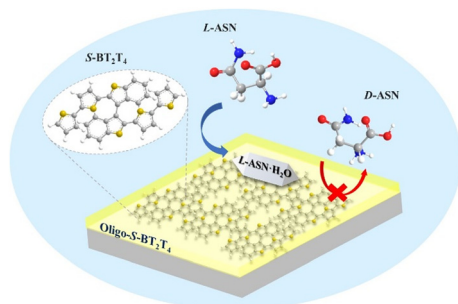
9754



Real-time visualization of sulfatase in living cells and *in vivo* with a ratiometric AIE fluorescent probe

Yanli Chen, Wenhui Shi, Yanqi Xu and Peng Wang*

9758



Enantioselective resolution of two model amino acids using inherently chiral oligomer films with uncorrelated molecular structures

Thitapond Nulek, Serena Arnaboldi, Gerardo Salinas, Giorgia Bonetti, Roberto Cirilli, Tiziana Benincori, Chularat Wattanakit, Adrian E. Flood* and Alexander Kuhn*



CORRECTION

9778

Correction: Catalytically active designer crown-jewel Pd-based nanostructures encapsulated in metal-organic frameworks

Liyu Chen, Weihao Huang, Xiujun Wang, Zhijie Chen, Xianfeng Yang, Rafael Luque* and Yingwei Li*

